Application Number 10/695,845
Response to Office Action mailed June 26, 2007

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## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application.

## Listing of Claims:

- 1. 16. (Cancelled)
- 17. (Currently Amended) A catheter for use in performing a medical procedure comprising: an elongated tubular structure having a proximal end and a distal end; said tubular structure being a size of no greater than about 4 French; said tubular structure enabling fluid flow rates in a range of approximately 0 to 40 ml/sec without failure of said tubular structure; and

said distal end of said tubular structure having, on an end of a tip section, an elastic restrictor that, when operable, changes in size in response to a change in fluid flow through the tubular structure to provide a variable amount of fluid force restriction,

said distal end of said tubular structure further having, on a sidewall of said distal end, a plurality of openings arranged such that forces resulting from fluid flow out of said openings and out of said elastic restrictor are substantially balanced during performance of said medical procedure.

- 18. (Original) The catheter of claim 17 wherein said distal end of said catheter is made of a material that is softer than a material of said proximal end.
- 19. (Original) The catheter of claim 17 wherein said restrictor comprises a diameter of approximately 0.305 mm.
- 20. (Original) The catheter of claim 17 wherein each of said openings is approximately 1.22 mm in length 0.33 mm in diameter.

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## 21. - 35. (Cancelled)

- 36. (Currently Amended) A catheter assembly comprising:
  - a hub section located at a proximal end of said catheter;
  - a shaft section attached to a distal end of said hub;
  - a stem section connected to a distal end of said shaft, said stem section comprising one or more openings formed in a sidewall of said stem section; and
  - a distal tip section attached to a distal end of said stem section, said distal tip section including, on an end, a small opening, said small opening comprising an elastic restrictor that, when operable, changes in size in response to a change in fluid flow through said catheter assembly to provide a variable amount of fluid force restriction, such that forces resulting from fluid flow out of said openings in said stem section and out of said elastic restrictor are substantially balanced.
- 37. (Previously presented) The catheter assembly of claim 36, wherein said openings of said stem section are holes.
- 38. (Previously presented) The catheter assembly of claim 36, wherein said openings of said stem section are angled toward the proximal end of said catheter.
- 39. (Previously presented) The catheter assembly of claim 38, wherein said openings of said stem section cause fluid exiting an internal lumen of said catheter to flow in a retrograde direction to a fluid stream.
- 40. (Previously presented) The catheter assembly of claim 36, wherein said openings of said stem section and said small opening of said distal tip section are configured to provide a cumulative, substantially zero fluid-force vector in all directions.

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- 41. (Previously presented) The catheter assembly of claim 36, wherein a quantity, size and arrangement of said openings in said stem section and said small opening of said distal tip section provide proper balancing of distal and lateral forces created by a forward and rearward motion, respectively, of fluid as it flows out from an internal lumen and exits said openings of said catheter.
- 42. (Previously presented) The catheter assembly of claim 36, wherein said catheter assembly has a maximum external diameter of about 4 French.
- 43. (Previously Presented) The catheter of claim 17, wherein the elastic restrictor, when operable, increases in size in response to an increase in fluid flow through the tubular structure.
- 44. (Previously Presented) The catheter assembly of claim 36, wherein the elastic restrictor, when operable, increases in size in response to an increase in fluid flow through said catheter assembly.